

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application.

1. (Previously Presented) A spring device comprising:

a coil spring case formed of right, left, back and front side plates and a spring receiving plate,

a coil spring, and

a spring urging member inserted into the coil spring case through an opening of said coil spring case for compressing the coil spring in said coil spring case so that the coil spring is deformed along a curve so as to have a non-linear spring property, a distance between the right and left side plates of the coil spring case being set larger than an outer diameter of the coil spring, and a distance between the back and front side plates of the spring case being set larger than the distance between the right and left side plates of the coil spring case.

2. (Original) The spring device as claimed in claim 1, wherein a ratio of the distance between the right and left side plates and the distance between the back and front side plates is varied arbitrarily.

3. (Cancelled)

4. (Cancelled)

5. (Currently Amended) The spring device as claimed in claim 1, wherein said curve is an S curve and the coil spring is brought into contact with the right and left side plates of the coil spring case at a curved portions thereof.

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6. (Currently Amended) The spring device as claimed in claim 2, wherein said curve is an S curve so that the coil spring is brought into contact with the right and left sides plates of the coil spring case at a curved portions thereof.